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## The Oxford Handbook of Greek and Roman Coinage

### Inequalities

A large gap exists in the literature of ancient numismatics between general works intended for collectors and highly specialized studies addressed to numismatists. Indeed, there is hardly anything produced by knowledgeable numismatists that is easily accessible to the academic community at large or the interested lay reader. The Oxford Handbook of Greek and Roman Coinage will fill this gap by providing a systematic overview of the major coinages of the classical world. The Handbook begins with a general introduction by volume editor William E. Metcalf followed by an article establishing the history and role of scientific analysis in ancient numismatics. The subsequent thirty-two chapters, all written by an international group of distinguished scholars, cover a vast geography and chronology, beginning with the first evidence of coins in Western Asia Minor in the seventh century BCE and continuing up to the transformation of coinage at the end of the Roman Empire. In addition to providing the essential background and current research questions of each of the major coinages, the Handbook also includes articles on the application of numismatic evidence to the disciplines of archaeology, economic history, art history, and ancient history. With helpful appendices, a glossary of specialized terms, indices of mints, persons, and general topics, and nearly 900 illustrations, The Oxford Handbook of Greek and Roman Coinage will be an indispensable resource for scholars and students of the classical world, as well as a stimulating reference for collectors and interested lay readers.

### New Times

This textbook presents the mathematics that is foundational to multimedia applications. Featuring a rigorous survey of selected results from algebra and analysis, the work examines tools used to create application software for multimedia signal processing and communication. Replete with exercises, sample programs in Standard C, and numerous illustrations, *Mathematics for Multimedia* is an ideal textbook for upper undergraduate and beginning graduate students in computer science and mathematics who seek an innovative approach to contemporary mathematics with practical applications. The work may also serve as an invaluable reference for multimedia applications developers and all those interested in the mathematics underlying multimedia design and implementation.

## **The Metallurgy of Roman Silver Coinage**

The first book-length survey of cinema's vital role in the Cold War cultural combat between the U.S. and the USSR. Focuses on 10 films five American and five Soviet, both iconic and lesser-known works showing that cinema provided a crucial outlet for the global "debate" between democratic and communist ideologies."

## **Fundamentals of Abstract Analysis**

Contains new results on different aspects of Lie theory, including Lie superalgebras, quantum groups, crystal bases, representations of reductive groups in finite characteristic, and the geometric Langlands program

## **An Honest Thief and Other Stories**

Geometric flows have many applications in physics and geometry. The mean curvature flow occurs in the description of the interface evolution in certain physical models. This is related to the property that such a flow is the gradient flow of the area functional and therefore appears naturally in problems where a surface energy is minimized. The mean curvature flow also has many geometric applications, in analogy with the Ricci flow of metrics on abstract riemannian manifolds. One can use this flow as a tool to obtain classification results for surfaces satisfying certain curvature conditions, as well as to construct minimal surfaces. Geometric flows, obtained from solutions of geometric parabolic equations, can be considered as an alternative tool to prove isoperimetric inequalities. On the other hand, isoperimetric inequalities can help in treating several aspects of convergence of these flows. Isoperimetric inequalities have many applications in other fields of geometry, like hyperbolic manifolds.

## **Geometric Problems on Maxima and Minima**

This music manuscript paper notebook is for school kids & children in grade school, high school teens & teenagers, college kids, uni students and adults to handwritten music notation & music notes. You can use it on music college or university, high school music theory classes, in the studio, at home or anywhere for songwriting, piano, guitar, violin, and other musical instruments, practice lessons, or transcribing music.

## **Kiselev's Geometry**

This monograph presents recent developments of the theory of algebraic dynamical systems and their applications to computer sciences, cryptography, cognitive sciences, psychology, image analysis, and numerical simulations. The most important mathematical results presented in this book are in the fields of ergodicity, p-adic numbers, and noncommutative groups. For students and researchers working on the theory of dynamical systems, algebra, number theory, measure theory, computer sciences, cryptography, and image analysis.

## **My Fellow Prisoners**

The immediate human toll of the 1994 Flight 427 disaster was staggering: all 132 people aboard died on a Pennsylvania hillside. The subsequent investigation was a maze of politics, bizarre theories, and shrouded answers. Bill Adair, an award-winning journalist, was granted special access to the five-year inquiry by the National Transportation Safety Board (NTSB) while its investigators tried to determine if the world's most widely used commercial jet, the Boeing 737, was really safe. Their findings have had wide-ranging effects on the airline industry, pilots, and even passengers. Adair takes readers behind the scenes to show who makes decisions about airline safety—and why.

## **Lectures on Buildings**

The goal of this text is to help students learn to use calculus intelligently for solving a wide variety of mathematical and physical problems. This book is an outgrowth of our teaching of calculus at Berkeley, and the present edition incorporates many improvements based on our use of the first edition. We list below some of the key features of the book. Examples and Exercises The exercise sets have been carefully constructed to be of maximum use to the students. With few exceptions we adhere to the following policies. • The section exercises are graded into three consecutive groups: (a) The first exercises are routine, modelled almost exactly on the examples; these are intended to give students confidence. (b) Next come exercises that are still based directly on the examples and text but which may have variations of wording or which combine different ideas; these are intended to train students to think for themselves. (c) The last exercises in each set are difficult. These are marked with a star (\*) and some will challenge even the best students. Difficult does not necessarily mean theoretical; often a starred problem is an interesting application that requires insight into what calculus is really about. • The exercises come in groups of two and often four similar ones.

## **The Unity of Mathematics**

The Russian oil mogul and activist offers reflections on his decades-long incarceration under Putin in this “illuminating and brave” prison memoir (The Washington Post). Mikhail Khodorkovsky was Russia’s most successful businessman—and an outspoken critic of the Kremlin. As his oil company Yukos revived the Russian oil industry, Khodorkovsky began sponsoring programs to encourage civil society and fight corruption. Then he was arrested at gunpoint.

Sentenced to ten years in a Siberian penal colony on fraud and tax evasion charges in 2003, Khodorkovsky was put on trial again in 2010 and sentenced to fourteen years on new charges that contradicted the previous ones. While imprisoned, Khodorkovsky fought for the rights of his fellow prisoners, going on hunger strike four times. After he was pardoned in 2013, he vowed to continue fighting for prisoners' rights, and this book is dedicated to that work. A moving portrait of the prisoners Khodorkovsky met, *My Fellow Prisoners* is an eye-opening account of Russia's brutal prison system. "Vivid, humane and poignant" —Financial Times

## **Differential Geometry of Curves and Surfaces**

With its many beautiful colour pictures, this book gives fascinating insights into the unusual forms and behaviour of matter under extremely high pressures and temperatures. These extreme states are generated, among other things, by strong shock, detonation and electric explosion waves, dense laser beams, electron and ion beams, hypersonic entry of spacecraft into dense atmospheres of planets and in many other situations characterized by extremely high pressures and temperatures. Written by one of the world's foremost experts on the topic, this book will inform and fascinate all scientists dealing with materials properties and physics and also serve as an excellent introduction to plasma-, shock-wave and high-energy-density physics for students and newcomers seeking an overview. This second edition is thoroughly revised and expanded, in particular with new material on high energy-density physics, nuclear explosions and other nuclear transformation processes.

## **Mean Curvature Flow and Isoperimetric Inequalities**

The story of the burial, discovery, excavation and significance of the Frome Hoard, one of the largest hoards of Roman coins ever found in Britain.

## **A System of Mineralogy**

### **The Iron Curtain**

Since the beginning of the modern era of algebraic topology, simplicial methods have been used systematically and effectively for both computation and basic theory. With the development of Quillen's concept of a closed model category and, in particular, a simplicial model category, this collection of methods has become the primary way to describe non-abelian homological algebra and to address homotopy-theoretical issues in a variety of fields, including algebraic K-theory. This book supplies a modern exposition of these ideas, emphasizing model category theoretical techniques. Discussed here are the homotopy theory of simplicial sets, and other basic topics such as simplicial groups, Postnikov towers, and bisimplicial sets. The more advanced material includes homotopy limits and colimits, localization with respect to a map and with respect to a homology theory, cosimplicial spaces, and homotopy coherence. Interspersed throughout are many results and ideas well-known to experts, but uncollected in the literature. Intended

for second-year graduate students and beyond, this book introduces many of the basic tools of modern homotopy theory. An extensive background in topology is not assumed.

## **Extreme States of Matter**

The two-volume set LNCS 10896 and 10897 constitutes the refereed proceedings of the 16th International Conference on Computers Helping People with Special Needs, ICCHP 2018, held in Linz, Austria, in July 2018. The 101 revised full papers and 78 short papers presented were carefully reviewed and selected from 356 submissions. The papers are organized in the following topical sections: Web accessibility in the connected world; accessibility and usability of mobile platforms for people with disabilities and elderly persons: design, development and engineering; accessible system/information/document design; accessible e-learning - e-learning for accessibility/AT; personalized access to TV, film, theatre, and music; digital games accessibility; accessibility and usability of self-service terminals, technologies and systems; universal learning design; motor and mobility disabilities: AT, HCI, care; empowerment of people with cognitive disabilities using digital technologies; augmented and alternative communication (AAC), supported speech; Art Karshmer lectures in access to mathematics, science and engineering; environmental sensing technologies for visual impairment; 3D printing in the domain of assistive technologies (AT) and do it yourselves (DIY) AT; tactile graphics and models for blind people and recognition of shapes by touch; access to artworks and its mediation by and for visually impaired people; digital navigation for people with visual impairments; low vision and blindness: human computer interaction; future perspectives for ageing well: AAL tools, products, services; mobile healthcare and m-health apps for people with disabilities; and service and information provision.

## **The Center and Cyclicity Problems**

The human remains found in the Memphite tomb of Horemheb include 305 individuals which come from three contexts. The original late Eighteenth Dynasty burials from the subterranean system of Shaft IV include the remains of Horemheb's queen, Mutnodjmet, and Professor Strouhal's examination of her skeleton provides important new information on her life and death. The tomb also contained later burials, of the Ramesside Period and the Late Period. All the remains are comprehensively analysed and discussed.

## **Semiotics of Cinema**

This classic is an ideal introduction for students into the methodology and thinking of higher mathematics. It covers material not usually taught in the more technically-oriented introductory classes and will give students a well-rounded foundation for future studies.

## **Cinematic Cold War**

Thoracic Malignancies: Thoracic Malignancies is the first title in Radiation Medicine

Rounds. These tumors take more lives than any others and they are among the most preventable of tumors. Thus it is crucial for the practitioner to be up-to-date on the latest insights regarding their management. Thoracic Malignancies addresses the multi-disciplinary nature of the care of these tumors. There is representation from radiation oncology, medical oncology, and surgery ensuring a well-rounded summarization of current practice. Included are chapters on lung cancer, esophageal cancer, and thymomas providing coverage of the vast majority of thoracic tumors. The multi-disciplinary nature of the articles provides readers with an up-to-date summary and a well-rounded review regarding these tumors and their care. Expert authors provide reviews and assessments of the most recent data and its implications for current clinical practice, along with insights into emerging new trends of importance for the near future. About the Series Radiation Medicine Rounds is an invited review publication providing a thorough analysis of new scientific, technologic, and clinical advances in all areas of radiation medicine. There is an emphasis throughout on multidisciplinary approaches to the specialty, as well as on quality and outcomes analysis. Published three times a year Radiation Medicine Rounds provides authoritative, thorough assessments of a wide range of hot topics and emerging new data for the entire specialty of radiation medicine. Features of Radiation Medicine Rounds include: Editorial board of nationally recognized experts across the spectrum of radiation medicine In-depth, up-to-date expert reviews and analysis of major new developments in all areas of Radiation Medicine Issues edited by an authority in specific subject area Focuses on major topics in Radiation Medicine with in-depth articles covering advances in radiation science radiation medicine technology, radiation medicine practice, and assessment of recent quality and outcomes studies Emphasizes multidisciplinary approaches to research and practice

## **The System of Mineralogy, Volume 1**

We take for granted that only certain kind of things exist – electrons but not angels, passports but not nymphs. This is what we understand as 'reality'. But in fact, 'reality' varies with each era of the world, in turn shaping the field of what is possible to do, think and imagine. Our contemporary age has embraced a troubling and painful form of reality: Technic. Under Technic, the foundations of reality begin to crumble, shrinking the field of the possible and freezing our lives in an anguished state of paralysis. Technic and Magic shows that the way out of the present deadlock lies much deeper than debates on politics or economics. By drawing from an array of Northern and Southern sources – spanning from Heidegger, Junger and Stirner's philosophies, through Pessoa's poetry, to Advaita Vedanta, Bhartrhari, Ibn Arabi, Suhrawardi and Mulla Sadra's theosophies – Magic is presented as an alternative system of reality to Technic. While Technic attempts to capture the world through an 'absolute language', Magic centres its reconstruction of the world around the notion of the 'ineffable' that lies at the heart of existence. Technic and Magic is an original philosophical work, and a timely cultural intervention. It disturbs our understanding of the structure of reality, while restoring it in a new form. This is possibly the most radical act: if we wish to change our world, first we have to change the idea of 'reality' that defines it.

## **The Mystery of Flight 427**

Natal'ya Vorozhbit's play *Bad Roads* is a heartbreaking, powerful and bitterly comic account of what it is to be a woman in wartime.

## **Bad Roads**

The fineness of Roman imperial and provincial coinage has been regarded as an indicator of the broader fiscal health of the Roman Empire, with the apparent gradual decline of the silver content being treated as evidence for worsening deficits and the contraction of the supply of natural resources from which the coins were made. This book explores the composition of Roman silver coinage of the first century AD, re-examining traditional interpretations in the light of an entirely new programme of analyses of the coins, which illustrates the inadequacy of many earlier analytical projects. It provides new evidence for the supply of materials and refining and minting technology. It can even pinpoint likely episodes of recycling old coins and, when combined with the study of hoards, hints at possible strategies of stockpiling of metal. The creation of reserves bears directly on the question of the adequacy of revenues and fiscal health.

## **The system of mineralogy of James Dwight Dana and Edward Salisbury Dana, Yale University, 1837-1892**

In mathematics, “buildings” are geometric structures that represent groups of Lie type over an arbitrary field. This concept is critical to physicists and mathematicians working in discrete mathematics, simple groups, and algebraic group theory, to name just a few areas. Almost twenty years after its original publication, Mark Ronan’s *Lectures on Buildings* remains one of the best introductory texts on the subject. A thorough, concise introduction to mathematical buildings, it contains problem sets and an excellent bibliography that will prove invaluable to students new to the field. *Lectures on Buildings* will find a grateful audience among those doing research or teaching courses on Lie-type groups, on finite groups, or on discrete groups. “Ronan’s account of the classification of affine buildings [is] both interesting and stimulating, and his book is highly recommended to those who already have some knowledge and enthusiasm for the theory of buildings.”—Bulletin of the London Mathematical Society

## **Mathematics for Multimedia**

This volume completes the English adaptation of a classical Russian textbook in elementary Euclidean geometry. The 1st volume subtitled “Book I. Planimetry” was published in 2006 (ISBN 0977985202). This 2nd volume (Book II. Stereometry) covers solid geometry, and contains a chapter on vectors, foundations, and introduction in non-Euclidean geometry added by the translator. The book intended for high-school and college students, and their teachers. Includes 317 exercises, index, and bibliography.

## **Oman, Culture and Diplomacy**

## **Modern Counterfeits and Replicas of Ancient Greek and Roman**

## **Coins from Bulgaria**

### **The Frome Hoard**

## **Blank Sheet Music Composition Manuscript Staff Paper Art Music CLASS 13 Notebook Birthday Gift**

The two volume set LNCS 9758 and 9759, constitutes the refereed proceedings of the 15th International Conference on Computers Helping People with Special Needs, ICCHP 2015, held in Linz, Austria, in July 2016. The 115 revised full papers and 48 short papers presented were carefully reviewed and selected from 239 submissions. The papers included in the second volume are organized in the following topics: environmental sensing technologies for visual impairments; tactile graphics and models for blind people and recognition of shapes by touch; tactile maps and map data for orientation and mobility; mobility support for blind and partially sighted people; the use of mobile devices by individuals with special needs as an assistive tool; mobility support for people with motor and cognitive disabilities; towards e-inclusion for people with intellectual disabilities; At and inclusion of people with autism or dyslexia; AT and inclusion of deaf and hard of hearing people; accessible computer input; AT and rehabilitation for people with motor and mobility disabilities; HCI, AT and ICT for blind and partially sighted people.

## **Coinage of the Caravan Kingdoms**

Using a computational algebra approach, this comprehensive text addresses the center and cyclicity problems as behaviors of dynamical systems and families of polynomial systems. The book gives the main properties of ideals in polynomial rings and their affine varieties followed by a discussion on the theory of normal forms and stability of differential equations. It contains numerous examples, pseudocode displays of all the computational algorithms, historical notes, nearly two hundred exercises, and an extensive bibliography, making it a suitable graduate textbook as well as research reference.

## **Technic and Magic**

Tribute to the vision and legacy of Israel Moiseevich Gel'fand Written by leading mathematicians, these invited papers reflect the unity of mathematics as a whole, with particular emphasis on the many connections among the fields of geometry, physics, and representation theory Topics include conformal field theory, K-theory, noncommutative geometry, gauge theory, representations of infinite-dimensional Lie algebras, and various aspects of the Langlands program

## **The Memphite Tomb of Ḥoremḥeb, Commander-in-chief of Tut'ankhamūn: Human skeletal remains**

Highlights from the palatial Hermitage Museum in St. Petersburg, Russia, are

beautifully reproduced in an accessible volume celebrating the museum's 250th anniversary. For 250 years, the State Hermitage Museum has been one of the world's most palatial and significant museums. The Hermitage collections were developed beginning in 1764 by Catherine the Great, Empress of Russia, and now encompass more than 3 million works of art and artifacts displayed within a spectacular architectural ensemble, the heart of which is the famed Winter Palace. Now, on this important anniversary, this stunning volume captures the masterpieces that make this world-famous institution a cultural destination and a global treasure. The Hermitage: 250 Masterworks explores this sumptuous collection in the manner of a private tour, showcasing the museum's extraordinary and uniquely underpublished treasures: no other institution has thirty-six Rembrandts; works by Italian Renaissance artists including Leonardo da Vinci, Michelangelo, and Titian; Spanish artists such as Velázquez, Ribera, and Murillo; Flemish baroque artists such as van Dyck, Rubens, and Jan Brueghel the Elder; impressionist and post-impressionist works by Renoir, Monet, Van Gogh, Gauguin, Cézanne, and Degas; and modern paintings by Matisse, Picasso, Malevich, and Kandinsky. Priceless antiquities, feats of mechanical engineering such as the famous Peacock Clock, and works of sculpture and decorative arts will also be shown. With lavish reproductions accompanied by texts by the museum's leading curators, this volume is sure to be cherished by art lovers around the world.

### **Computers Helping People with Special Needs**

This book is a cultural history, offering an historical account of the formation of a distinctive Omani culture; arguing that it is in this unique culture that a specific conception and practice of diplomacy has been developed.

### **Studies in Lie Theory**

This book is intended for the Mathematical Olympiad students who wish to prepare for the study of inequalities, a topic now of frequent use at various levels of mathematical competitions. In this volume we present both classic inequalities and the more useful inequalities for confronting and solving optimization problems. An important part of this book deals with geometric inequalities and this fact makes a big difference with respect to most of the books that deal with this topic in the mathematical olympiad. The book has been organized in four chapters which have each of them a different character. Chapter 1 is dedicated to present basic inequalities. Most of them are numerical inequalities generally lacking any geometric meaning. However, where it is possible to provide a geometric interpretation, we include it as we go along. We emphasize the importance of some of these inequalities, such as the inequality between the arithmetic mean and the geometric mean, the Cauchy-Schwarz inequality, the rearrangement inequality, the Jensen inequality, the Muirhead theorem, among others. For all these, besides giving the proof, we present several examples that show how to use them in mathematical olympiad problems. We also emphasize how the substitution strategy is used to deduce several inequalities.

### **Simplicial Homotopy Theory**

Papers from a conference held in Oct. 2005 in Beirut, Lebanon.

## **Thoracic Malignancies**

Originally published in 1948, this book is the autobiographical account of the cipher clerk Igor Gouzenko who defected from the Russian Embassy in Ottawa on 5 September 1945, just three days after war end. In doing so he alerted the Canadian, British and American authorities to the spy rings operating in Canada which were made up of traitorous intellectual professionals and men who belonged to the social and academic establishment of Canada, confirming what Elizabeth Bentley and Whittaker Chambers were telling the FBI in the late 1940's about spy rings in the USA. A profound and gripping story of one "little man" risking his life for the greater good of protecting the heritage of freedom that many others take for granted.. "We have been impressed with the sincerity of the man, and with the manner in which he gave his evidence, which we have no hesitation in accepting. "In our opinion Gouzenko by what he has done has rendered great public service to the people of this country, and thereby has placed Canada in his debt."—The Report of the Royal Commission to investigate the facts relating to and the circumstances surrounding the communication, by public officials and other persons in positions of trust of secret and confidential information to agents of a foreign power. June 27, 1946.

## **The Hermitage**

Presents hundreds of extreme value problems, examples, and solutions primarily through Euclidean geometry Unified approach to the subject, with emphasis on geometric, algebraic, analytic, and combinatorial reasoning Applications to physics, engineering, and economics Ideal for use at the junior and senior undergraduate level, with wide appeal to students, teachers, professional mathematicians, and puzzle enthusiasts

## **Calculus I**

Central topics covered include curves, surfaces, geodesics, intrinsic geometry, and the Alexandrov global angle comparison theorem Many nontrivial and original problems (some with hints and solutions) Standard theoretical material is combined with more difficult theorems and complex problems, while maintaining a clear distinction between the two levels

## **Applied Algebraic Dynamics**

## **Computers Helping People with Special Needs**

Classification; Morphological Crystallography; X-Ray Crystallography; Halrt; Physical properties; Optical Properties; Chemistry; Occurrences; Alteration; Synthesis; Name; Nomenclature; Synonymy.

## **The Coins of the Coritani**



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